

# Third Year B. Tech., Sem V 2021-22

## Programming Lab 3

### Practical No- 3

PRN/ Roll No: 2019BTECS00070

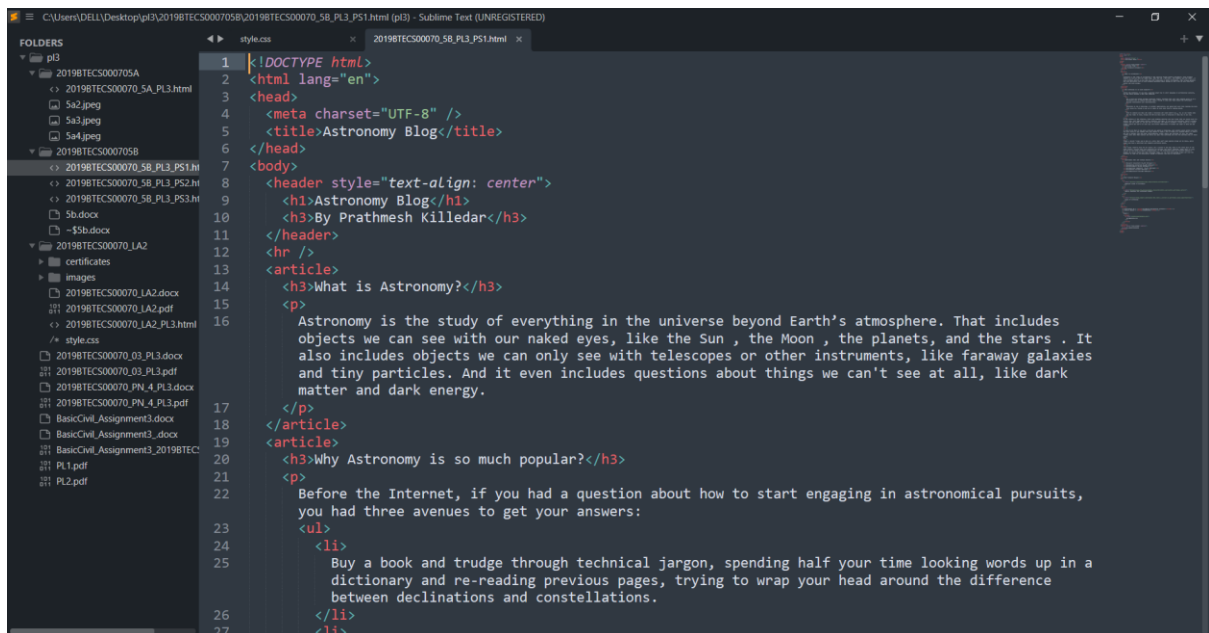
Full name: Killedar Prathmesh Basaweshwar

Batch: T2

Title: Practical 5b

Code:-

1)



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <title>Astronomy Blog</title>
6 </head>
7 <body>
8 <header style="text-align: center">
9 <h1>Astronomy Blog</h1>
10 <h3>By Prathmesh Killedar</h3>
11 </header>
12 <hr />
13 <article>
14 <h3>What is Astronomy?</h3>
15 <p>
16 Astronomy is the study of everything in the universe beyond Earth's atmosphere. That includes
    objects we can see with our naked eyes, like the Sun , the Moon , the planets, and the stars . It
    also includes objects we can only see with telescopes or other instruments, like faraway galaxies
    and tiny particles. And it even includes questions about things we can't see at all, like dark
    matter and dark energy.
17 </p>
18 </article>
19 <article>
20 <h3>Why Astronomy is so much popular?</h3>
21 <p>
22 Before the Internet, if you had a question about how to start engaging in astronomical pursuits,
    you had three avenues to get your answers:
23 <ul>
24 <li>
25 Buy a book and trudge through technical jargon, spending half your time looking words up in a
    dictionary and re-reading previous pages, trying to wrap your head around the difference
    between declinations and constellations.
26 </li>
27 <li>
```

```
C:\Users\DELL\Desktop\p3\2019BTECS000705B\2019BTECS00070_5B_PL3_P51.html (p3) - Sublime Text (UNREGISTERED)

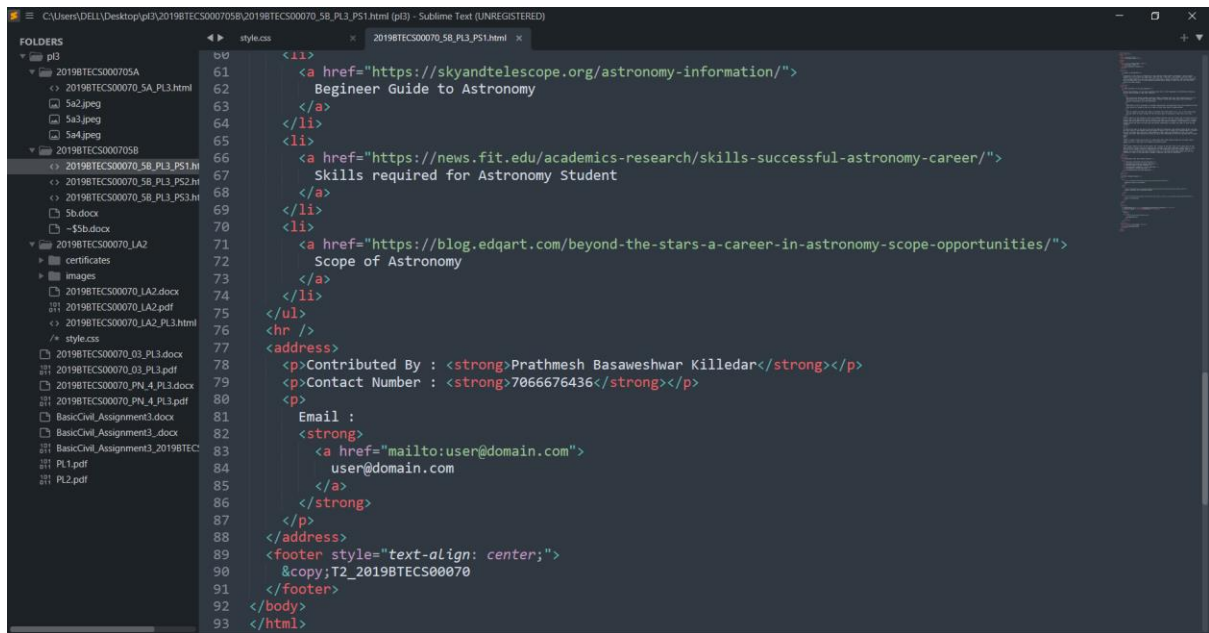
FOLDERS
  p3
    2019BTECS000705A
      2019BTECS00070_5A_PL3.html
      5a2.jpeg
      5a3.jpeg
      5a4.jpeg
    2019BTECS000705B
      2019BTECS00070_5B_PL3_P51.H
      2019BTECS00070_5B_PL3_PS2.H
      2019BTECS00070_5B_PL3_PS3.H
      5b.docx
      5sb.docx
    2019BTECS00070_LA2
      certificates
      images
      2019BTECS00070_LA2.docx
      2019BTECS00070_LA2.pdf
      2019BTECS00070_LA2_PL3.html
      style.css
      2019BTECS00070_03_PL3.docx
      2019BTECS00070_03_PL3.pdf
      2019BTECS00070_PN_4_PL3.docx
      2019BTECS00070_PN_4_PL3.pdf
      BasicCivil_Assignment3.docx
      BasicCivil_Assignment3_.docx
      BasicCivil_Assignment3_2019BTEC
      PL1.pdf
      PL2.pdf

27 </li>
28 Subscribe to Sky & Telescope, or another publication, and spend half your time reading the book
29 from issue #1, trying to get up to speed on just what they're talking about.
30 </li>
31 <li>
32 Talk to someone you knew who owned a telescope and could mentor you... OK, so you really only
33 had two roads to take, because NO ONE you knew owned a telescope or knew how to use one.
34 </li>
35 </ul>
36 In the infancy of the Internet, there were budding websites and chat rooms that you could visit for
37 advice. Now, with high-speed access, websites, and apps, if you have any question, there's already
38 someone who has asked it, and has had it answered. And there's probably a video about it. A quick
39 Google search and you're on your way, and entire communities of people are eager to help you get
40 started.
41 <br />
42 <br />
43 It used to be that if you were a kid and you wanted a telescope, your parents would either say that
44 you were crazy if you thought they were going to spend a ton of money on a passing phase... or they'd
45 get you a special from the mall. Unfortunately, either choice was horrible for you. The cheap
'scopes were more than useless and drove you away from astronomy and into the waiting arms of video
games.
day.
<br />
Today, a decent 'scope can be had at a price that won't make parents break out in hives, which
might even have a motorized and computer-controlled mount.
<br />
<br />
This really could've been the #1 reason, but I wanted to end big. Back in the olden days of the
20th Century, science kids were ridiculed and derided. But that's changing. Being smart is cool,
and now we can speak in public (figuratively, if not literally) about our favorite nebula or
galaxy. We can go online and find astronomy clubs, we can find like-minded people all over the
Internet to talk to, ask questions, engage in debates, and just be ourselves.
</p>
</article>
```

```
C:\Users\DELL\Desktop\p3\2019BTECS000705B\2019BTECS00070_5B_PL3_P51.html (p3) - Sublime Text (UNREGISTERED)

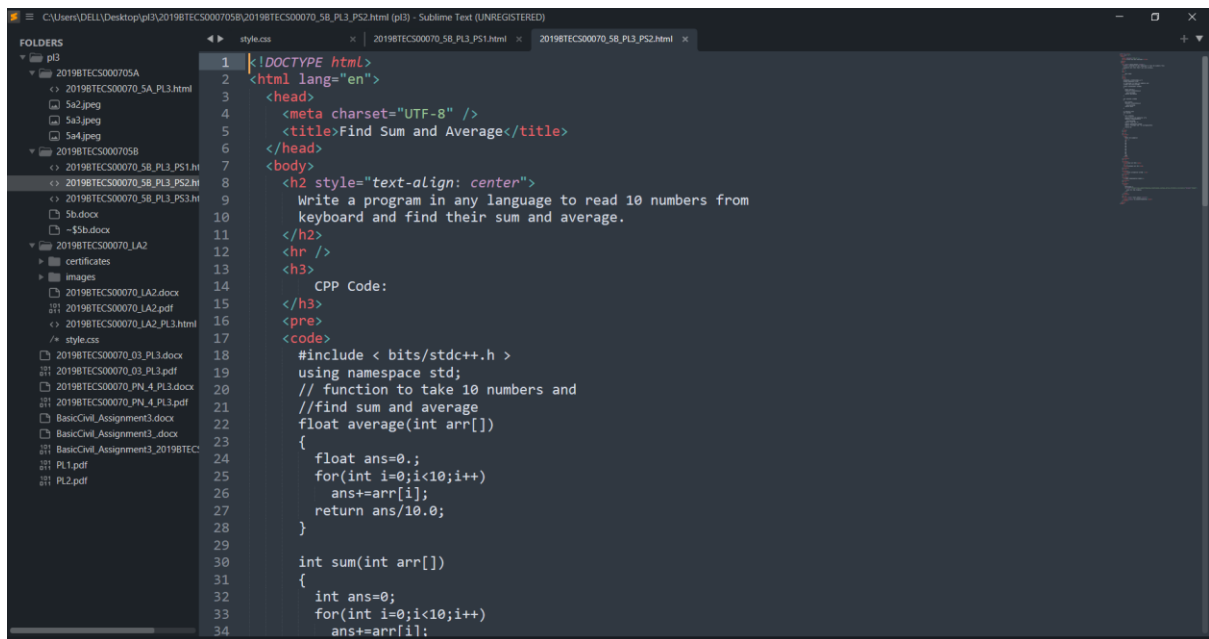
FOLDERS
  p3
    2019BTECS000705A
      2019BTECS00070_5A_PL3.html
      5a2.jpeg
      5a3.jpeg
      5a4.jpeg
    2019BTECS000705B
      2019BTECS00070_5B_PL3_P51.H
      2019BTECS00070_5B_PL3_PS2.H
      2019BTECS00070_5B_PL3_PS3.H
      5b.docx
      5sb.docx
    2019BTECS00070_LA2
      certificates
      images
      2019BTECS00070_LA2.docx
      2019BTECS00070_LA2.pdf
      2019BTECS00070_LA2_PL3.html
      style.css
      2019BTECS00070_03_PL3.docx
      2019BTECS00070_03_PL3.pdf
      2019BTECS00070_PN_4_PL3.docx
      2019BTECS00070_PN_4_PL3.pdf
      BasicCivil_Assignment3.docx
      BasicCivil_Assignment3_.docx
      BasicCivil_Assignment3_2019BTEC
      PL1.pdf
      PL2.pdf

45 </article>
46 <article>
47 <h3>Astronomy Jobs and Average Salary</h3>
48 <ul>
49 <li>Research Scientist: 87,849 USD/year</li>
50 <li>Planetarium director: 85,489 USD/year</li>
51 <li>Meteorologist: 85,589 USD/year</li>
52 <li>Aeronautical engineer: 99,796 USD/year</li>
53 <li>Astronomer: 111,090 USD/year</li>
54 <li>Astrophysicist: 119,580 USD/year</li>
55 </ul>
56 </article>
57 <hr />
58 <h3>Other Related Blogs:</h3>
59 <ul>
60 <li>
61 <a href="https://skyandtelescope.org/astronomy-information/">
62 Beginner Guide to Astronomy
63 </a>
64 </li>
65 <li>
66 <a href="https://news.fit.edu/academics-research/skills-successful-astronomy-career/">
67 Skills required for Astronomy Student
68 </a>
69 </li>
70 <li>
71 <a href="https://blog.edqart.com/beyond-the-stars-a-career-in-astronomy-scope-opportunities/">
72 Scope of Astronomy
73 </a>
74 </li>
75 </ul>
76 <hr />
77 <address>
78 <p>Contributed By : <strong>Prathmesh Basaweshwar Killedar</strong></p>
```



```
60 <!--
61 <a href="https://skyandtelescope.org/astronomy-information/">
62     Beginner Guide to Astronomy
63 </a>
64 </li>
65 <li>
66 <a href="https://news.fit.edu/academics-research/skills-successful-astronomy-career/">
67     Skills required for Astronomy Student
68 </a>
69 </li>
70 <li>
71 <a href="https://blog.edqart.com/beyond-the-stars-a-career-in-astronomy-scope-opportunities/">
72     Scope of Astronomy
73 </a>
74 </li>
75 </ul>
76 <hr />
77 <address>
78 <p>Contributed By : <strong>Prathmesh Basaweshwar Killedar</strong></p>
79 <p>Contact Number : <strong>7066676436</strong></p>
80 <p>
81     Email :
82     <strong>
83     <a href="mailto:user@domain.com">
84         user@domain.com
85     </a>
86     </strong>
87 </p>
88 </address>
89 <footer style="text-align: center;">
90     &copy;T2_2019BTECS00070
91 </footer>
92 </body>
93 </html>
```

2)



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8" />
5 <title>Find Sum and Average</title>
6 </head>
7 <body>
8 <h2 style="text-align: center;">
9     Write a program in any language to read 10 numbers from
10     keyboard and find their sum and average.
11 </h2>
12 <hr />
13 <h3>
14     CPP Code:
15 </h3>
16 <pre>
17 <code>
18 #include < bits/stdc++.h >
19 using namespace std;
20 // function to take 10 numbers and
21 //find sum and average
22 float average(int arr[])
23 {
24     float ans=0.;
25     for(int i=0;i<10;i++)
26         ans+=arr[i];
27     return ans/10.0;
28 }
29
30 int sum(int arr[])
31 {
32     int ans=0;
33     for(int i=0;i<10;i++)
34         ans+=arr[i];
```

```

34         ans+=arr[i];
35         return ans;
36     }
37
38     // driver code
39     int main()
40     {
41         int arr[10];
42         cout<<"Enter 10 numbers: \n";
43         for(int i=0;i<10;i++)
44             cin>>arr[i];
45         cout<<"Sum is: ";
46         cout<< sum(arr)<< endl;
47         cout<<"Average is: "<< average(arr);
48         return 0;
49     }
50 </code>
51 </pre>
52 <hr />
53 <section>
54 <kbd>
55     Enter 10 numbers:
56     <br />
57     10
58     20
59     30
60     40
61     50
62     60
63     70
64     80
65     90
66     100
67 </kbd>

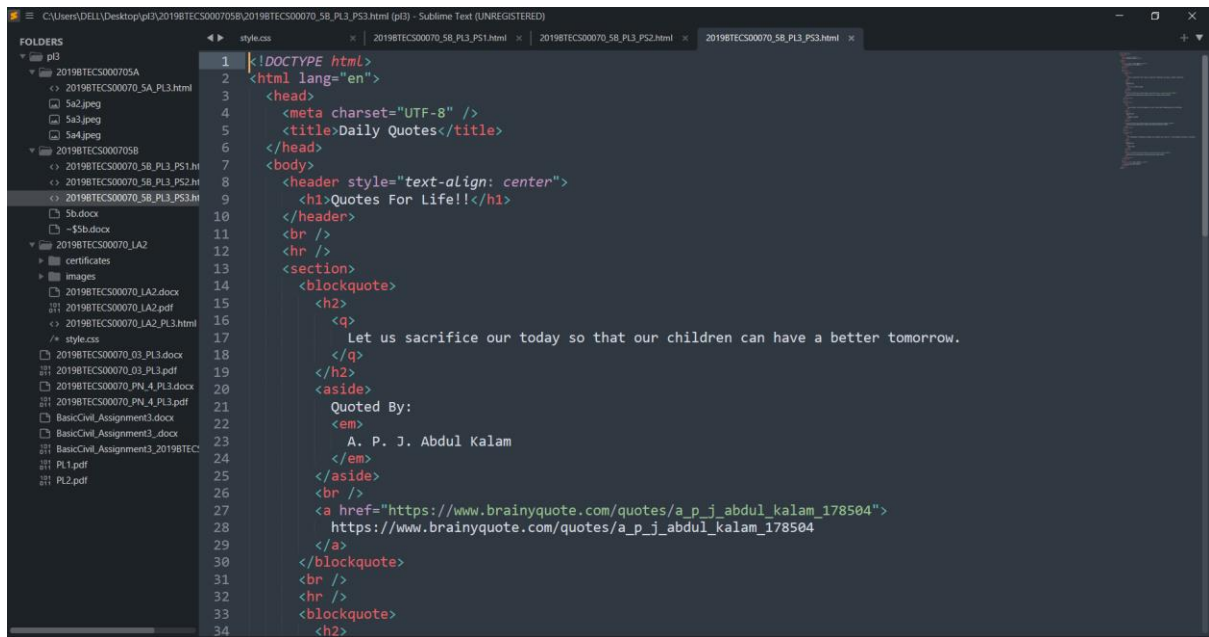
```

```

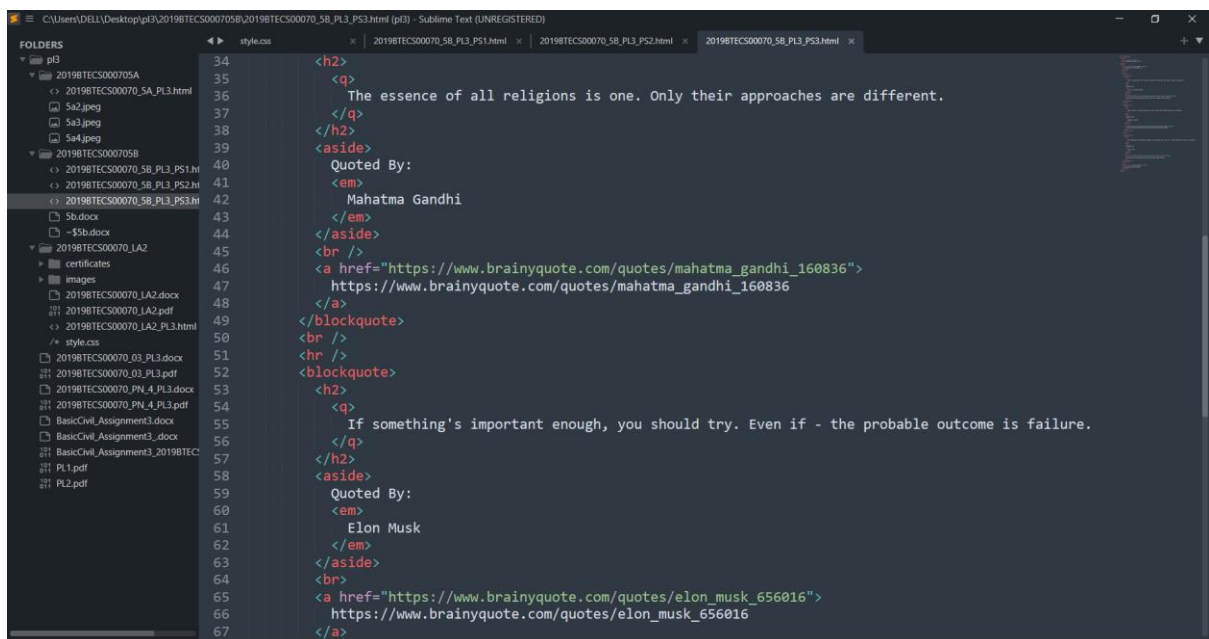
64         80
65         90
66         100
67     </kbd>
68 </section>
69 <hr />
70 <section>
71     <samp>Sum is: 550</samp>
72     <br />
73     <samp>Average is: 55</samp>
74 </section>
75 <hr />
76 <section>
77     <var>used variables: arr[] </var>
78 </section>
79 <hr />
80 <section>
81     <p>Time Complexity: O(N)</p>
82 </section>
83 <hr />
84 <section>
85     <div>
86         Reference :
87         <a href="https://www.geeksforgeeks.org/program-average-array-iterative-recursive/"target="blank">
88             Link for the Problem
89         </a>
90     </div>
91 </section>
92 <hr />
93 <footer style="text-align: center">
94     <small>&copy; T2_2019BTECS00070</small>
95 </footer>
96 </body>
97 </html>

```

3)



```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <title>Daily Quotes</title>
6   </head>
7   <body>
8     <header style="text-align: center;">
9       <h1>Quotes For Life!!</h1>
10    </header>
11    <br />
12    <hr />
13    <section>
14      <blockquote>
15        <h2>
16          <q>
17            Let us sacrifice our today so that our children can have a better tomorrow.
18          </q>
19        </h2>
20        <aside>
21          Quoted By:
22          <em>
23            A. P. J. Abdul Kalam
24          </em>
25        </aside>
26        <br />
27        <a href="https://www.brainyquote.com/quotes/a_p_j_abdul_kalam_178504">
28          https://www.brainyquote.com/quotes/a_p_j_abdul_kalam_178504
29        </a>
30      </blockquote>
31    </br />
32    <hr />
33    <blockquote>
34      <h2>
```



```
34 <h2>
35   <q>
36     The essence of all religions is one. Only their approaches are different.
37   </q>
38 </h2>
39 <aside>
40   Quoted By:
41   <em>
42     Mahatma Gandhi
43   </em>
44 </aside>
45 <br />
46 <a href="https://www.brainyquote.com/quotes/mahatma_gandhi_160836">
47   https://www.brainyquote.com/quotes/mahatma_gandhi_160836
48 </a>
49 </blockquote>
50 <br />
51 <hr />
52 <blockquote>
53   <h2>
54     <q>
55       If something's important enough, you should try. Even if - the probable outcome is failure.
56     </q>
57   </h2>
58   <aside>
59     Quoted By:
60     <em>
61       Elon Musk
62     </em>
63   </aside>
64   <br>
65   <a href="https://www.brainyquote.com/quotes/elon_musk_656016">
66     https://www.brainyquote.com/quotes/elon_musk_656016
67   </a>
```

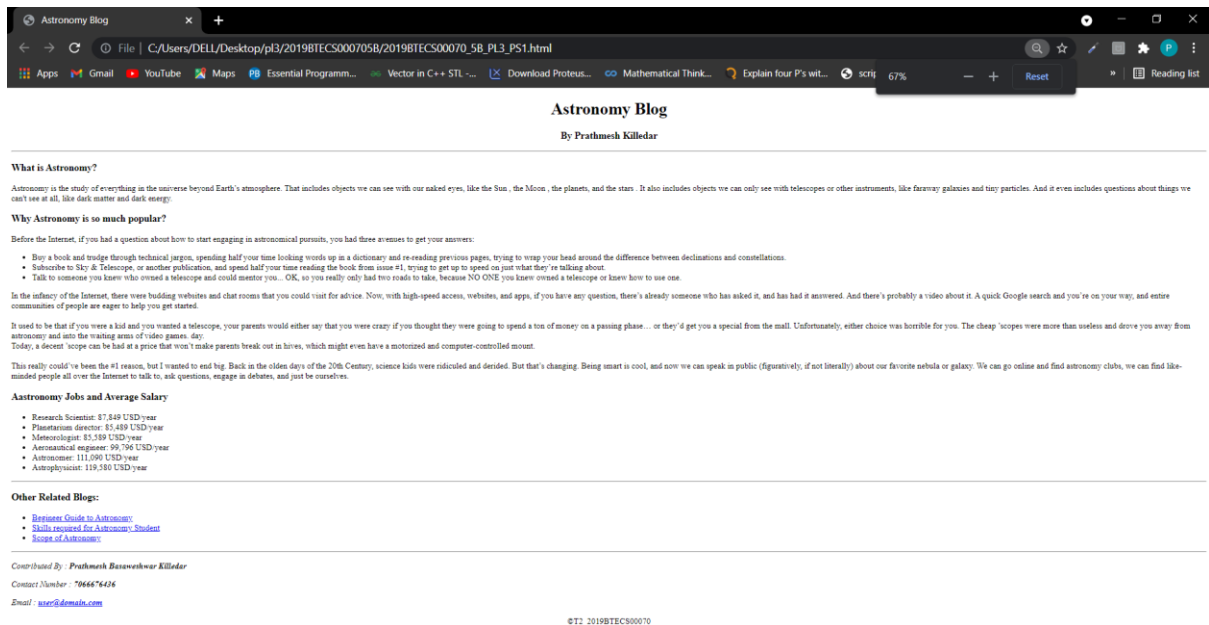
```

49  </blockquote>
50  <br />
51  <hr />
52  <blockquote>
53    <h2>
54      <q>
55        If something's important enough, you should try. Even if - the probable outcome is failure.
56      </q>
57    </h2>
58  <aside>
59    Quoted By:
60    <em>
61      Elon Musk
62    </em>
63  </aside>
64  <br>
65  <a href="https://www.brainyquote.com/quotes/elon_musk_656016">
66    https://www.brainyquote.com/quotes/elon_musk_656016
67  </a>
68  </blockquote>
69  </section>
70  <hr />
71  <footer style="text-align: center">
72    &copy;T2_2019BTECS00070
73  </footer>
74  </body>
75  </html>

```

Output:-

1)



2)

Astronomy BlogFind Sum and Average+  
C:/Users/DELL/Desktop/pl3/2019BTECS000705B/2019BTECS00070\_5B\_PL3\_PS2.html  
AppsGmailYouTubeMapsEssential Programm...Vector in C++ STL...Download Proteus...Mathematical Think...Explain four P's wit...script.htmlResponsive Design...Reading list

Write a program in any language to read 10 numbers from keyboard and find their sum and average.

CPP Codes  

```
#include <bits/stdc++.h>
using namespace std;
// function to take 10 numbers and
// find sum and average
float average(int arr[])
{
    float ans=0;
    for(int i=0;i<10;i++)
        ans+=arr[i];
    return ans/10;
}

int sum(int arr[])
{
    int ans=0;
    for(int i=0;i<10;i++)
        ans+=arr[i];
    return ans;
}

// driver code
int main()
{
    int arr[10];
    cout<<"Enter 10 numbers: \n";
    for(int i=0;i<10;i++)
        cin>>arr[i];
    cout<<"Sum is: ";
    cout<<sum(arr)<<"\n";
    cout<<"Average is: "<<average(arr);
    return 0;
}
```

Enter 10 numbers:  
10 20 30 40 50 60 70 80 90 100  
Sum is: 550  
Average is: 55  
used variables: arr[]  
Time Complexity: O(N)  
Reference: [Link for the Problem](#)

© T2\_2019BTECS00070

3)

Astronomy BlogFind Sum and AverageDaily Quotes+  
C:/Users/DELL/Desktop/pl3/2019BTECS000705B/2019BTECS00070\_5B\_PL3\_PS3.html  
AppsGmailYouTubeMapsEssential Programm...Vector in C++ STL...Download Proteus...Mathematical Think...Explain four P's wit...script.htmlResponsive Design...Reading list

Quotes For Life!!

“ Let us sacrifice our today so that our children can have a better tomorrow. ”

Quoted By: *A. P. J. Abdul Kalam*  
[https://www.brainyquote.com/quotes/a\\_p\\_j\\_abdul\\_kalam\\_178504](https://www.brainyquote.com/quotes/a_p_j_abdul_kalam_178504)

“ The essence of all religions is one. Only their approaches are different. ”

Quoted By: *Mahatma Gandhi*  
[https://www.brainyquote.com/quotes/mahatma\\_gandhi\\_160836](https://www.brainyquote.com/quotes/mahatma_gandhi_160836)

“ If something's important enough, you should try. Even if - the probable outcome is failure. ”

Quoted By: *Elon Musk*  
[https://www.brainyquote.com/quotes/elon\\_musk\\_656016](https://www.brainyquote.com/quotes/elon_musk_656016)

©T2\_2019BTECS00070